WHAT IS CLAIMED IS:

Sub B11

1. An immortalized cell established from a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced.

2. The immortalized cell according to claim 1, wherein the transgenic animal is a rat.

Sub B12

3. An established cell derived from retinal capillary endothelial cells, which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein.

4. The established cell according to claim 3, having a deposition number of FERM BP-6507.

Sub B13

5. A method of establishing an immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein, the method comprising treating retinal capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.

6. An established cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, and p-glycoprotein, the cell obtained by treating retinal capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.

7. An established cell derived from choroid plexus epithelial cells, which expresses a temperature sensitive SV40

large T-antigen gene, shows localization of Na^+ -K^+ ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of Na^+ -K^+ ATPase in the apical side.

8. The established cell according to claim 7, having a deposition number of FERM BP-6508.

9. A method of establishing an immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, shows localization of Na^+ -K^+ ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of Na^+ -K^+ ATPase in the apical side, the method comprising treating choroidal epithelium tissues of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.

10. An established cell which expresses a temperature sensitive SV40 large T-antigen gene, shows localization of Na^+ -K^+ ATPase and GLUT-1 transporter in the cell membrane, and when cultured in a monolayer, shows the localization of Na^+ -K^+ ATPase in the apical side, which is obtained by treating choroidal epithelium tissues of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.

11. An established cell derived from brain capillary endothelial cells, which expresses a temperature sensitive SV40 large T-antigen, GLUT-1 transporter, p-glycoprotein, alkaline

phosphatase, and γ-glutamyltransferase.

12. The established cell according to claim 11, having a deposition number of FERM BP-6873.

Sub B13

13. A method of establishing an immortalized cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, p-glycoprotein, alkaline phosphatase, and γ- glutamyltransferase, the method comprising treating brain capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.

14. An established cell which expresses a temperature sensitive SV40 large T-antigen gene, GLUT-1 transporter, p-glycoprotein, alkaline phosphatase, and γ-glutamyltransferase, the cell obtained by treating brain capillary vessels of a transgenic animal into which a large T-antigen gene of SV40 temperature sensitive mutant tsA58 has been introduced with protease and subculturing the resulting cells.